bs-4512R

- DATASHEET -

[Primary Antibody]

TUBB3 (Neuronal Marker) Rabbit pAb



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DATASTILLT		
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500) IHC-F (1:100-500)
GeneID: 10381	SWISS: Q13509	IF (1:200-800)
Target: TUBB3 (Neuronal N	Marker)	Flow-Cyt (1µg/Test) ICC/IF (1:100)
Immunogen: KLH conjugated sy Tubulin: 401-450/4	Immunogen: KLH conjugated synthetic peptide derived from human beta III Tubulin: 401-450/450.Purification: affinity purified by Protein A	Reactivity: Human, Mouse, Rat (predicted: Rabbit, Dog)
Purification: affinity purified by		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) Glycerol. Shipped at 4°C. Sto freeze/thaw cycles Background: Neuronal Marker Beta III tubulin is a systems (CNS and fetal and postnata sympathoadrenal neuron-associated according to the re transient expressio subventricular zon and/or glial precur neuroendocrine ce temporally restrict have implications	with 1% BSA, 0.02% Proclin300 and 50% ore at -20°C for one year. Avoid repeated bundant in the central and peripheral nervou PNS) where it is prominently expressed durin I development. As exemplified in cerebellar a neurogenesis, the distribution of beta III is I, exhibiting distinct temporospatial gradient gional neuroepithelia of origin. However, on of this protein is also present in the es of the CNS comprising putative neuronal- sor cells, as well as in Kulchitsky ells of the fetal respiratory epithelium. This ied, potentially non-neuronal expression may in the identification of presumptive neurons yonic stem cells.	Predicted 50-55 kDa Subcellular Cytoplasm Is g nd s

— VALIDATION IMAGES



Sample: BV-2(Rat) Cell Lysate at 30 ug Primary: Anti-TUBB3 (Neuronal Marker) (bs-4512R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50-55 kD Observed band size: 50 kD

	135
	100
-	75
	63 —
TUBB3 (Neuronal Marke	48 —
-	35 —
_	25-
-	20

Sample: U251(Human) Cell Lysate at 30 ug Primary: Anti-TUBB3 (Neuronal Marker) (bs-4512R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50-55 kD Observed band size: 50 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-TUBB3/beta III Tubulin(Neuronal Marker) Polyclonal Antibody, Unconjugated(bs-4512R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining







Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TUBB3 (Neuronal Marker)) Polyclonal Antibody, Unconjugated (bs-4512R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining. Tissue/cell: BV-2 cell; 4% Paraformaldehydefixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (TUBB3) Polyclonal Antibody, Unconjugated (bs-4512R) 1:200, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) at 37°C for 90 minutes, DAPI (5ug/ml, blue, C-0033) was used to stain the cell nuclei. SH-SY5Y cell; 4% Paraformaldehyde-fixed; Icecold methanol at -20°C for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (TUBB3) polyclonal Antibody, Unconjugated (bs-4512R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TUBB3) Polyclonal Antibody, Unconjugated (bs-4512R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-AF594) for 90 minutes, and DAPI for nuclei staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TUBB3) Polyclonal Antibody, Unconjugated (bs-4512R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-AF594) for 90 minutes, and DAPI for nuclei staining.



Blank control:SH-SY5Y. Primary Antibody (green line): Rabbit Anti-TUBB3 (Neuronal Marker) antibody (bs-4512R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block nonspecific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control(blue): U-87MG Cells(fixed with 2% paraformaldehyde (10 min)). P rimary Antibody: Rabbit Anti-MGLUR3/AF647 Conjugated antibody (bs-4512R/AF647), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/AF647(orange) ,used under the same conditions.

- SELECTED CITATIONS -

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multi-lineage differentiation." Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology (2016). IF ;="Dog". 27876576